

Program Assessment and Work Plan

Program Element: Storage

Date: December 15, 2002

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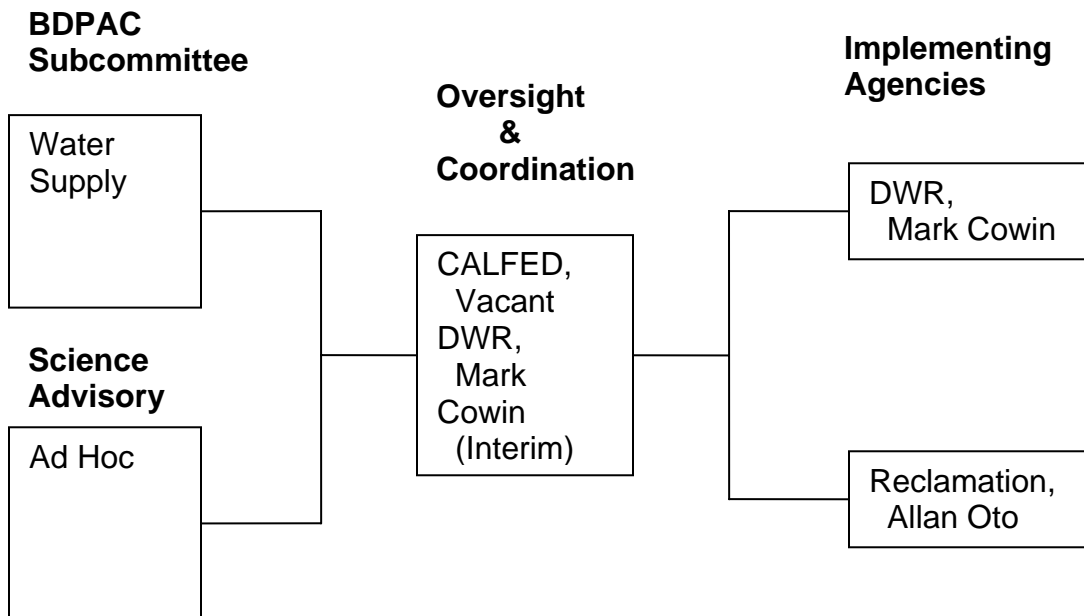
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Organizational Chart for the Storage Program – Please see Figure 1 below.

Figure 1: Storage Program Organizational Chart



Section I. Year 2 Program Assessment

A. Accomplishments to Date/ Status of ROD Commitments

Groundwater Feasibility Study Grants

- *Awarded 21 grants totaling \$4.4 million from AB 303 funds. A total of 50 AB 303 grants proposals requesting approximately \$10 million were submitted.*
- *Awarded three Proposition 13 Groundwater Storage Feasibility Studies grants totaling \$500,000. A total of 14 Proposition 13 GWSFS grant proposals requesting \$3.8 million were submitted.*

Groundwater Technical Assistance to Local Partners

- *Provided technical and financial assistance to local partners for assessing in-basin needs, development of basin-wide planning and management strategies, project formulation, and commencement of pilot projects.*
- *Provided independent facilitation/mediation services to local partners to improve stakeholder involvement, foster local support for improved groundwater management, and to enhance stakeholder understanding of water resource issues and needs.*

Groundwater Implementation Grants and Loans

- *Awarded 15 grants and loans totaling \$102.7 million from Proposition 13 for construction projects. A total of 60 Proposition 13 grant and loan proposals requesting approximately \$345 million were submitted.*

Surface Storage - Shasta Lake Enlargement

- *Continued dialogue and studies to resolve legal issues on State participation. **
- *Completed reservoir area mapping.*
- *Completed plan formulation strategy.*
- *Initiated study coordination and outreach.*
- *Initiated baseline environmental data collection and systems modeling.*
- *Identifying without-project conditions, problems & needs, and study objectives.*

Surface Storage - North-of-the-Delta Offstream Storage

- *Published Notice of Preparation/Notice of Intent in November 2001.*
- *Completed public scoping in January 2002.*
- *Completing final scoping report in October 2002.*
- *Formulated a Planning Agreement among the Project Management Team (DWR, Reclamation, DFG, USFWS, Tehama-Colusa Canal Authority, and Glenn-Colusa Irrigation District). The Agreement defines the roles and responsibilities of the PMT members in preparing the environmental documentation.*
- *Formally working on the environmental documentation and engineering feasibility study in coordination with the local planning partnership.*

Surface Storage - In-Delta Storage Investigations

- *Completed DWR/Reclamation joint planning study including pre-feasibility evaluation of alternatives in December 2001. **

- Released In-Delta Storage Program Draft Summary Report and supplemental reports on operations, water quality, engineering, environmental and economic evaluations for a 30-day public review in May 2002.
- Submitted all reports for the CALFED Science Panel Review in May 2002. *
- Prepared FY 2003 Draft Work Plan for technical feasibility evaluation (State Version) of the Re-engineered In-Delta Storage Project.
- Bay-Delta Public Advisory Committee (BDPAC) recommended to the CALFED Management Group on June 27, 2002 that the In-Delta Storage Program Draft Work Plan for FY 2003 should be implemented. *

Surface Storage - Los Vaqueros Reservoir Expansion

- Identified potential local partners and developed agreements with Contra Costa Water District (CCWD) and other stakeholders for necessary studies. *
- Completed a Draft Project Concept Report (pre-feasibility) and Executive Summary for the CALFED Los Vaqueros Reservoir Expansion Studies.
- Draft Project Concept Report has been reviewed by CALFED Agencies and Bay Area water agencies. Comments were incorporated before the public review process which occurred in August and September 2002.
- Reclamation signed a Financial Assistance agreement with CCWD at the end of May 2002, which provided funds to continue planning studies.
- Initiated development of a plan of study that describes the overall study tasks, schedule, and funding.
- Initiated use of CALSIM2 modeling for the assessment of Operating Scenarios.
- Initiated and continued contact with potential local partners to identify needs and information necessary for the studies.
- Initiated contact with local stakeholders to identify interests.
- Established and met with Customer/Stakeholder Feedback Group to involve local entities, customers and CALFED stakeholders.

Surface Storage - Upper San Joaquin River Storage Investigation

- Completed a plan of study that details the scope of the Investigation and major interim deliverables throughout the planning process.
- Identified 15 surface storage options that could potentially serve as an equivalent storage program to Friant Dam Enlargement. An appraisal level engineering and environmental analysis of each will be completed by the end of September 2002. *
- Modifying the CALSIM II model to incorporate an accurate representation of Friant Dam operations and to add the equivalent storage options.
- Initiated a series of stakeholder workshops open to the public to encourage participation by interested parties in the formulation and evaluation of alternatives. Two workshops were held in May and July, and another one is scheduled for October 2002.

Oversight & Coordination/Water Management Strategy

- Provided oversight and coordination of efforts to define the overall role of storage in the formulation of a water management strategy for the long-term beneficial management and use of water resources.
- Initiated the coordination and development of common assumptions for CALFED water management actions such that there is consistency among all of the individual project analyses with respect to baseline assumptions.

B. Program Delays

Groundwater Conjunctive Management

- *Finalize Agreements – The program views formation of partnerships with local agencies as a part of the program continuum, so even though an accomplishment date of February 2001 was specified in the CALFED ROD, this activity remains one of the ongoing program tasks. **

Surface Storage - Shasta Lake Enlargement:

- *Legal issues limiting State participation have not been resolved. * Additional studies to determine the feasibility and benefits of an enlarged Shasta Lake and evaluations to assess impacts to the McCloud River are needed to adequately address the legal issues.*
- *Federal funding appropriation was less than required to meet feasibility study commitments in the ROD. **

Surface Storage - North-of-the-Delta Offstream Storage

- *Inadequate State and Federal funding and the State hiring freeze have contributed to the delay in completing the environmental documentation and engineering feasibility study to meet ROD commitments. **
- *Some field surveys at Sites and Newville were delayed because temporary entry permits were not granted or renewed by the landowners.*

Surface Storage - In-Delta Storage

- *Adequate Federal funding has not been secured to complete feasibility studies to meet ROD commitments. **
- *Reclamation continues to seek authority to participate in the feasibility study. Lack of authority has limited Reclamation's participation to technical assistance. **

Surface Storage - Los Vaqueros Reservoir Expansion:

- *Both Federal and State funding has been insufficient to initiate and complete the CEQA and NEPA environmental review processes as scheduled in the ROD for completion in late 2003. * All effort is focused on preparation for the potential November 2003 advisory vote of CCWD customers. If the vote goes forward and is affirmative, the CEQA and NEPA environmental review process will start in 2004, depending on available funds.*
- *Reclamation continues to seek authority under the CALFED program to participate in Feasibility Studies. Reclamation will continue to provide technical assistance the remainder of this year; however, lack of Feasibility authority for CALFED projects will limit Reclamation's ability to participate past November 2003. **
- *Both Federal and State funding has been insufficient to meet ROD commitments in 2002. **

Surface Storage - Upper San Joaquin River Storage Investigation

- *The feasibility study of a selected alternative cannot be initiated until Reclamation receives authorization. **

Section II. Year 3 Work Plan

Figure 2. Storage Tasks and Agency Roles

Tasks/Projects		CALFED Agencies			
		CALFED	DWR	USBR	DFG
1	GW - Feasibility Study Grants		Lead		
2	GW - Technical Assistance to Locals		Lead		
3	GW - Implementation Grants		Lead		
4	SS - Shasta Lake Enlargement Planning			Lead	
5	SS - Shasta Lake Enlargement D & C ¹				
6	SS - North of Delta Offst Storage Planning		Lead		
7	SS - North of Delta Offst Storage D & C ¹				
8	SS - In-Delta Storage Invest Planning		Lead		
9	SS - In-Delta Storage Invest D & C ¹				
10	SS - Los Vaqueros Expansion Planning		Co-Lead		
11	SS - Los Vaqueros Expansion D & C ¹				
12	SS - Upper San Joaquin River Stor Planning			Lead	
13	SS - Upper San Joaquin River Stor D & C ¹				
14	Oversight & Coord / Water Management Strategy	Co-Lead			
¹ These projects are still in the planning and environmental documentation stage. A lead agency for the design and construction phase has yet to be determined.					

Note: The table above is based on responsibilities under the current governance structure. The new governance structure under the Bay Delta Authority is primarily effective in Year 4.

A. Year 3 Tasks and Schedule

Groundwater Feasibility Study Grants

- *By the end of State Fiscal Year 2002-03, DWR anticipates awarding \$5 million in Local Groundwater Assistance Funds to conduct groundwater studies, monitoring, and management activities. (DWR, J. Woodling)*

Groundwater Technical Assistance to Locals

- *Progress will continue on individual evaluations of a number of conjunctive water management projects. By the end of 2002, DWR will report on the performance of feasibility studies, implementable projects, and potential benefits and beneficiaries. This report will separately identify likely local benefits as well as opportunities to*

*benefit statewide water supply reliability and the Environmental Water Account.
(DWR, J. Woodling)*

Groundwater Implementation Grants and Loans

- *By the end of Fiscal Year 2002-03 and consistent with Proposition 13, DWR will award approximately \$87 million in Bond funds for Groundwater Storage and Groundwater Recharge construction projects. (DWR, J. Woodling)*

Surface Storage - Shasta Lake Enlargement

Product	Date	Lead Agency	Contact Person
<i>Mission Statement Phase and Mission Statement Milestone Report</i>	<i>Dec 2002</i>	<i>Reclamation</i>	<i>D. Garcia</i>
<i>Formulate Initial Alternatives and Prepare Initial Alternatives Information Report</i>	<i>Sept 2003</i>	<i>Reclamation</i>	<i>D. Garcia</i>

Surface Storage - North-of-the-Delta Offstream Storage

Product	Date	Lead Agency	Contact Person
<i>Draft Alternative Screening Report</i>	<i>Dec 2002</i>	<i>DWR</i>	<i>S. Sou</i>
<i>Flow Regime Technical Advisory Group recommendations</i>	<i>Fall 2002</i>	<i>DWR</i>	<i>S. Sou</i>
<i>Initial CALSIM operations model runs</i>	<i>End 2002</i>	<i>DWR</i>	<i>S. Sou</i>
<i>Refine CALSIM model runs</i>	<i>Early 2003</i>	<i>DWR</i>	<i>S. Sou</i>
<i>Update Progress Report Appendices</i>	<i>Dec 2002</i>	<i>DWR</i>	<i>S. Sou</i>
<i>Initiate Section 106 of the NHPA compliance process</i>	<i>Dec 2002</i>	<i>Reclamation</i>	<i>M. Tansey</i>
<i>Initiate 404(b)(1) Alternatives Analysis</i>	<i>Dec 2002</i>	<i>DWR</i>	<i>S. Sou</i>
<i>Administrative Draft EIS/EIR</i>	<i>June 2003</i>	<i>DWR</i>	<i>S. Sou</i>
<i>Administrative Draft Engineering Feasibility Report</i>	<i>June 2003</i>	<i>DWR</i>	<i>S. Sou</i>

Surface Storage - In-Delta Storage Investigations

- *DWR and Reclamation will continue technical studies to resolve the outstanding issues. These studies will include a more detailed risk, design, operations, water quality, environmental impacts, benefits, and cost analysis in order to determine the feasibility of the Re-engineered In-Delta Storage Project identified as a component of the CALFED Bay-Delta Program.*

Product	Date	Lead Agency	Contact Person
<i>Complete Science Panel Review</i>	<i>Oct 2002</i>	<i>CALFED</i>	<i>R. Fujii</i>
<i>Conduct Stakeholders Meetings</i>	<i>Nov 2002</i>	<i>DWR</i>	<i>L. Pierce</i>
<i>Finalize Work Plan</i>	<i>Oct 2002</i>	<i>DWR</i>	<i>P. Sandhu</i>
<i>Complete Feasibility study (State Version)</i>	<i>June 2003</i>	<i>DWR</i>	<i>P. Sandhu</i>
<i>Release Feasibility Study Report</i>	<i>July 2003</i>	<i>DWR</i>	<i>P. Sandhu</i>
<i>CALFED Management/BDPAC Approval</i>	<i>Aug 2003</i>	<i>DWR</i>	<i>P. Sandhu</i>

Surface Storage - Los Vaqueros Reservoir Expansion

Product	Date	Lead Agency	Contact Person
<i>Complete Final Project Concept Report</i>	<i>Oct 2002</i>	<i>CCWD</i>	<i>M. Naillon</i>
<i>Assessment Tech Memo</i>	<i>Dec 2002</i>	<i>CCWD</i>	<i>M. Naillon</i>
<i>Assessment Report</i>	<i>Feb 2003</i>	<i>CCWD</i>	<i>M. Naillon</i>
<i>Secure CCWD BOD Acceptance of Assessment Report and schedule vote</i>	<i>July 2003</i>	<i>CCWD</i>	<i>M. Naillon</i>

Surface Storage - Upper San Joaquin River Storage Investigations

Product	Date	Lead Agency	Contact Person
<i>Plan Formulation Strategy Memo</i>	<i>Aug 2002</i>	<i>Reclamation</i>	<i>J. Phillips</i>
<i>Storage Options Appraisal Report</i>	<i>Sep 2002</i>	<i>Reclamation</i>	<i>J. Phillips</i>
<i>Draft Phase 1 Summary Report</i>	<i>July 2003</i>	<i>Reclamation</i>	<i>J. Phillips</i>

Oversight & Coordination/Water Management Strategy

- *CALFED, DWR, and Reclamation will continue efforts to establish a set of common assumptions to be used in each surface storage investigation.*

B. Category A and B Programs/Funds

Groundwater

- *The groundwater conjunctive management element of the Integrated Storage Investigations Program and the Proposition 13 Groundwater Storage and Recharge Grant and Loan Programs are Category A Programs. Funding for the Local Assistance Fund (AB 303), a related groundwater management grant program, is*

also shown on Attachment 1. Implementation of all three groundwater programs is closely coordinated. In Year 3, State funding for the three programs is \$97,482,000 (\$7,743,000 in General Funds and \$89,739,000 in Proposition 13 funds).

Surface Storage

- The five surface storage projects identified in the ROD are being evaluated under the Integrated Storage Investigations Program, which is a Category A Program. The budget for surface storage investigations in year 3 is \$8,685,000 in State funding and \$6,500,000 in Federal funding. See Attachment 1 for detailed budget.*

Oversight & Coordination/Water Management Strategy

- For Year 3, State funding for this element is \$944,000.*

C. ROD Implementation Commitments

Groundwater Conjunctive Management

- Local Leadership – The Conjunctive Water Management Program’s emphasis is on partnering and assisting local agencies with basin-wide planning to meet their in-basin needs. Projects implemented are locally driven and controlled.*
- Local Implementation – The program and projects implemented are locally driven and controlled to meet in-basin needs. In the grant and loan programs, applications are submitted by local agencies. Projects awarded funding are implemented by local agencies.*
- Public Involvement – Public meetings will be scheduled after preliminary recommendations are made by DWR staff and concurred with by the advisory groups for both the Proposition 13 and AB 303 programs. The AB 303 public meeting is scheduled for February 2003 and the Proposition 13 public meeting is scheduled for June 2003.*
- Stakeholder Consultation - The program has emphasized the formation of partnerships with local agencies and stakeholders to plan and develop locally controlled projects. To this end, the program has provided facilitation and mediation services to form stakeholder advisory groups and build consensus. Additionally, advisory groups, that represent a broad range of stakeholder groups, have been empanelled as part of the review and evaluation process for both Proposition 13 and AB 303 funding. The CWMP is participating in stakeholder involvement primarily in two ways. Consistent with Proposition 13, the Advisory Committee has been developed to evaluate DWR’s review of proposed projects and its recommendations for which projects should be funded. A Technical Advisory Panel, as required in the statutes, will review the proposed funding of projects under the Local Groundwater Assistance Fund. Additionally, individual stakeholder groups have been developed/are being developed for individual areas and/or projects. Such groups generally meet monthly-quarterly depending upon the consensus of the stakeholders.*
- CALFED Agency Coordination - DWR is responsible for the implementation of the groundwater conjunctive management program. CALFED agencies are involved in development of the proposal solicitation process for grants. The CALFED Management Group has been and will be consulted following the review and evaluation of Proposition 13 Grants and Loans and for Local Groundwater Assistance Fund grant proposals. Additionally, it is anticipated that USBR*

participation may be necessary for those projects that will utilize Federal facilities and or will need discretionary decisions for implementation of conjunctive water management strategies. For those projects that will transfer water as part of a conjunctive water management strategy, review and approvals by DWR, USBR, or SWRCB will be necessary. Additionally, participation by DFG, NMGS, and/or USFWS may be necessary for those projects that include modifications to existing surface water operations as part of a conjunctive water management strategy. The process and frequency of such participation will be refined as individual projects are developed.

- *Beneficiaries Pay – DWR will work with local agencies to cost share project proposals to the extent possible. In order for a project proposal to be awarded grant and loan funding, it will be necessary that the implementing local agency pay a portion of the costs. For grants awarded to date, the local cost share has been greater than 50%.*

Shasta Lake Enlargement

- *Public Involvement and Stakeholder Consultation – Public meetings will be scheduled after the scoping process is initiated at the end of 2002. Reclamation is developing a public outreach plan. Numerous public workshops will be conducted before the draft feasibility report and EIR/EIS are released.*
- *Tribal Consultation – Reclamation will continue to coordinate with potentially affected Native American Tribes in the project area.*

North-of-the-Delta Offstream Storage

- *Local Leadership - Glenn-Colusa Irrigation District (GCID) and Tehama-Colusa Canal Authority (TCCA) are the main local partners who represent the other local water agencies who signed the Memorandum of Understanding. GCID and TCCA will continue to coordinate outreach activities to inform the local communities of the project status.*
- *Public Involvement - DWR and Reclamation are developing a public outreach plan. Public workshops will be conducted before the draft EIR/EIS is released.*
- *Stakeholder Consultation – The Flow Regime Technical Advisory Group, which consists of environmental interests and agency participants, meets about once per month to address project issues in the areas of geomorphology, vegetation, fish, food web, and sediment. DWR meets with the Local Landowner Group quarterly to discuss project status, access, and other issues relating to the project that may affect the landowners.*
- *Tribal Consultation - DWR and Reclamation will continue to coordinate with potentially affected Native American Tribes in the project area.*

In-Delta Storage

- *Public Involvement and Stakeholder Consultation – DWR and Reclamation solicited and received stakeholder and public comments on the pre-feasibility study reports. These comments are being incorporated into the FY 2003 work plan.*
- *CALFED Agency Coordination – A number of CALFED agencies are participating in the Study Team. The pre-feasibility study reports were reviewed by CALFED agencies.*
- *Mitigation Measures – Potential mitigation measures set out in the CALFED Final Programmatic EIS/EIR are being used in the project-specific planning for fish and wildlife and loss of agricultural land impact mitigation.*

- *Beneficiaries Pay – Economic viability based on the CALFED's beneficiaries pay concept is stated under Guiding Principles in the May 2002 In-Delta Storage Program Draft Summary Report.*
- *Compliance with Water Rights Laws – The project will comply with legal water rights as set forth in the State Water Resources Control Board Decision 1643.*

Los Vaqueros Reservoir Expansion:

- *Local Leadership - CCWD is the day-to-day local project manager for the CALFED Los Vaqueros Reservoir Expansion Studies.*
- *Local Implementation – CALFED, DWR, Reclamation and CCWD are coordinating with the Bay Area water agencies on the project. Many of these agencies signed the Los Vaqueros Memorandum of Understanding and also participate in the CALFED Bay Area Water Quality & Water Supply Reliability Program and so are integrated into the planning process.*
- *Public Involvement and Stakeholder Consultation – The Study Team completed a Public Involvement Plan to describe the comprehensive plan for public involvement in the Studies and outreach to CALFED Agencies, Bay Area water agencies, CALFED stakeholders, Native Americans, and the general public. Accomplishments to date include: formation and ongoing outreach to a Customer/Stakeholder Feedback Group, public workshop held in November 2001, project web site on line in July 2002, extensive outreach and presentations to stakeholder groups.*
- *CALFED Agency Coordination – All work products are extensively coordinated with and reviewed by CALFED Agencies and Bay Area water agencies before distribution to the general public.*
- *Environmental Justice – The scope of work for each phase of the Studies has specifically included outreach to the Environmental Justice community. A representative from the Study Team is also a member of the California Bay-Delta Public Advisory Committee Environmental Justice Subcommittee and participates in ongoing efforts to integrate Environmental Justice into the CALFED Program overall.*
- *Tribal Consultation – The Study Team will build upon existing agreements to work with Reclamation on Native American issues as required.*
- *Environmental Documentation and Tiering – The Draft Project Concept Report describes the intent to meet all NEPA/CEQA legal responsibilities if the Studies move forward. The report also discusses that the Studies will tier off of and be consistent with the CALFED Programmatic EIS/EIR. If the Studies progress into full environmental review, the environmental studies would be conducted in accordance with the CALFED ROD including: requirements for mitigation measures and monitoring, consideration of existing compliance agreements, utilization of the Permit Clearinghouse, and integration of adaptive management/science.*
- *Beneficiaries Pay – The Draft Project Concept Report and other work products include a description of this principle.*
- *Compliance with Water Rights Laws – The Draft Project Concept Report documents the assumption that any potential expansion must have no impact to legal water rights users as a basis for the technical analysis of potential project benefits.*

Upper San Joaquin River Storage Investigation

- *Public Involvement/Stakeholder Consultation – Workshops that are open to the public and held in various locations in the San Joaquin Valley are held every two to three months throughout the planning process to encourage interested parties and agencies to participate in the formulation and evaluation of alternatives*

- *Tribal Consultation/Involvement – Five Indian tribes are located nearby potential storage operations and Reclamation has committed to meet with them periodically to address any Indian Trust asset responsibility, sensitive cultural resource issues, and to identify and beneficial opportunities for the tribes.*

The Environmental Justice Workplan prepared by the EJ BDPAC Subcommittee has been reviewed. Those activities that can be performed in Year 3 based on available staff and funding are described in Attachment 3 on page 20.

D. Management Group

Groundwater Conjunctive Management

- *In May 2003, the CALFED Management Group will review and its concurrence will be solicited prior to awarding approximately \$87 million in Proposition 13 bond funds scheduled for award in State Fiscal Year 2002-03. Additionally, concurrence will be sought, in February 2003, for recommended Local Groundwater Assistance Fund project awards, totaling \$5 million.*

Shasta Lake Enlargement

- *The Management Group will be briefed on the status of technical studies, the impacts to the McCloud River wild and scenic reach, as well as the plan development strategy in late 2002.*

North-of-the-Delta Offstream Storage

- *A Scoping Report was submitted to Management Group for review in September 2002 prior to its release to the public.*
- *Flow Regime recommendations will be submitted to Management Group for review by the end of 2002.*

In-Delta Storage

- *Brief Management Group on public comments and Science Panel review results in November 2002.*
- *Complete feasibility study (State version) and if the Re-engineered In-Delta Storage Project is found to be technically and financially viable, recommend a decision on initiating negotiations with Delta Wetlands owners or other appropriate landowners. Management Group approval is scheduled for August 2003.*

Los Vaqueros Reservoir Expansion:

- *The Management Group was briefed at key points during the development of the Project Concept Report and will continue to be informed as the document is prepared for release to the public and comments are received.*
- *Both the Assessment Memorandum and the Assessment Report will be submitted to the Management Group for review.*

Upper San Joaquin River Storage Investigation

- *A Draft Phase 1 Summary Report will be completed in July 2003 that will display the results of the initial alternatives analysis and make a recommendation to CALFED whether further detailed planning studies are warranted. This should be presented to CALFED management.*

Oversight & Coordination/Water Management Strategy

- *A draft document containing all elements of the common assumptions will be presented and submitted to Management Group for review in late 2002.*

E. Public Participation

Groundwater Conjunctive Management

- *It is not anticipated that any work products will need to be presented to the Bay Delta Public Advisory Committee or subcommittees.*

Shasta Lake Enlargement:

- *Study Coordination & Outreach Plan under development.*
- *Tribal coordination and meetings with potential stakeholders are underway.*

North-of-the-Delta Offstream Storage

- *The Flow Regime Technical Advisory Group consisting of environmental interests and agency participants meet about once per month. The group is charged to provide recommendations for operation of North-of-the-Delta Offstream Storage that minimizes or avoids impacts to fish, helps improve ecosystem functions, and identifies ecosystem benefits that could be provided by NODOS. Flow Regime recommendations will be submitted to the BDPAC or a subcommittee for review by the end of 2002.*
- *The main local partners, Glenn-Colusa Irrigation District and Tehama-Colusa Canal Authority, will coordinate outreach activities to inform local communities of the project status. DWR and Reclamation will coordinate outreach activities to periodically inform the public, special interest groups, stakeholders, and Native American Tribes of the project status and seek input during the planning process.*

In-Delta Storage

- *A Stakeholders Committee representing Federal, State, CALFED, local, and regional agencies, reclamation districts, special interest groups, and landowners was formed in March 2001. This Committee meets bimonthly.*
- *The State Feasibility Study Report will be submitted to the BDPAC in August 2003. Quarterly status reports will be provided to the BDPAC Water Supply Subcommittee.*

Los Vaqueros Reservoir Expansion

- *The Draft Project Concept Report was presented to the BDPAC Water Supply Subcommittee in July 2002. The report was presented to the Customer/Stakeholder Feedback Group on August 6, 2002. Two CALFED Public Workshops were held in September, one in Sacramento and the other in the Bay Area to present and receive comments.*
- *Both the Assessment Technical Memorandum and the Assessment Report can be presented to the BDPAC as appropriate. The Tech Memo could be presented as early as December and the Report may be presented in early 2003.*
- *In addition, ongoing implementation of the Public Involvement Plan includes numerous meetings with the Study Managers (CCWD, DWR, and Reclamation), CALFED Agencies (DFG, USFWS, NMFS, EPA), CALFED Stakeholders, CALFED Environmental Justice and Native American groups, and CALFED Regulatory Agency workshops*

Upper San Joaquin River Storage Investigation

- *A Draft Phase 1 Summary Report will be completed in July 2003 that will display the results of the initial alternatives analysis and make a recommendation to CALFED whether more detailed planning studies are warranted. This should be presented to the BDPAC Water Supply Subcommittee for concurrence.*
- *Workshops that are open to the public and held in various locations in the San Joaquin Valley are held every two to three months throughout the Planning process to encourage interested parties and agencies to participate in the formulation and evaluation of alternatives.*
- *Five Indian tribes are located nearby potential storage options and Reclamation has committed to meet with them periodically to address any Indian Trust asset responsibility, sensitive cultural resource issues, and to identify any beneficial opportunities for the tribes.*

Oversight & Coordination/Water Management Strategy

- *Status updates regarding the development of common assumptions will be provided to the BDPAC Water Supply Subcommittee.*

F. Agency participation

Groundwater Conjunctive Management

- *DWR is responsible for the implementation of the groundwater conjunctive management program. The CALFED Management Group has been and will be consulted following the review and evaluation of Proposition 13 Grants and Loans and for Local Groundwater Assistance Fund grant proposals. Additionally, it is anticipated that USBR participation may be necessary for those projects that will utilize Federal facilities and or will need discretionary decisions for implementation of conjunctive water management strategies. For those projects that will transfer water as part of a conjunctive water management strategy, review and approvals by DWR, USBR, or SWRCB will be necessary. Additionally, participation by DFG, NMGS, and/or USFWS may be necessary for those projects that include modifications to existing surface water operations as part of a conjunctive water management strategy. The process and frequency of such participation will be refined as individual projects are developed.*

Shasta Lake Enlargement:

- *Reclamation is the lead agency for the feasibility study and NEPA compliance. DWR is the lead agency for CEQA compliance.*
- *The project management team includes representatives from Reclamation, DWR, USFS, USFWS and CA Dept of Fish and Game. The team meets monthly or as needed.*

North-of-the-Delta Offstream Storage

- *DWR is the State lead agency for CEQA compliance and Reclamation is the Federal lead agency for NEPA compliance; DWR and Reclamation are working on preparing a joint EIS/EIR. Other State and Federal agencies that are involved in the planning process include Department of Fish and Game, U.S. Fish and Wildlife Service, National Marine Fisheries Service, and Western Area Power Administration.*

- *The Project Management Team (DWR, Reclamation, DFG, USFWS, Glenn-Colusa Irrigation District, and Tehama-Colusa Canal Authority) meets monthly.*
- *The NODOS Interagency Team (DWR, Reclamation, DFG, USFWS, and NMFS) meet monthly to discuss Endangered Species Act compliance, survey protocols, mitigation strategies, and other issues.*

In-Delta Storage

- *DWR is the lead agency for the State Feasibility Study and CEQA compliance. Reclamation is the lead agency for NEPA compliance.*
- *Federal and State agencies participate through a Federal-State Technical Coordination Committee that meets once every month.*

Los Vaqueros Reservoir Expansion

- *DWR and Reclamation are jointly managing the studies on behalf of the CALFED Agencies and providing all of the study funding. CCWD is the local manager responsible for implementing the day-to-day study activities.*
- *Weekly conference calls are held with the Study Managers. DWR and Reclamation managers review the technical work products and attend stakeholder and public involvement meetings as necessary. Study management meetings with DWR and Reclamation are held about every 6 weeks.*
- *The CALFED Agencies are briefed on the progress of the studies as required and receive copies of key draft and final documents for review and comment.*

Upper San Joaquin River Storage Investigation

- *Reclamation is the lead Federal agency for NEPA compliance. And DWR is the State lead for CEQA compliance.*
- *Reclamation and DWR are jointly undertaking the Investigation, with Reclamation assigned lead administrative responsibility. The Study Management Team consisting of DWR and Reclamation meet weekly to coordinate study efforts.*
- *Other agencies are encouraged to participate through the stakeholder workshops, which are held every two to three months. California Fish and Game, US Army Corps of Engineers, and US Fish and Wildlife Service are among current agency participants.*

Oversight & Coordination/Water Management Strategy

- *Development of common assumptions is an integrated effort among CALFED, DWR, and Reclamation. These groups will meet regularly and hold workshops during the development of the common assumptions.*

G. Science Review

Groundwater Conjunctive Management

- *The Conjunctive Water Management Program will coordinate with the CALFED Science Program on standards used for measuring performance of feasibility studies, project implementability, and determining potential benefits and beneficiaries to ensure program consistency. The program has coordinated with the Science Program in development of PSP reviews.*

North-of-the-Delta Offstream Storage

- *The recommendations of the Flow Regime Technical Advisory Group on the operations of North-of-the-Delta Offstream Storage to minimize or avoid impacts to fish and provide ecosystem benefits in the Sacramento River will be submitted for review by the CALFED Science Review Panel.*
- *The engineering feasibility study will be done through DWR's Independent Consulting Board. DWR will convene the Board in November 2002 for the engineering review.*

In-Delta Storage

- *CALFED Science Panel Review of the Pre-feasibility Study was initiated in May 2002 and will be completed in October 2002.*
- *Engineering review of the State Feasibility Study Engineering Investigations will be done through DWR's Independent Consulting Board in June 2003.*

H. Budget by Task – See Attachment 1.

Section III. Stage 1

- A. Stage 1 Projected Expenditures - See Attachment 2, which reflects the new funding schedule based on current project schedules and needs.

Groundwater Study Grants

- *It is anticipated that continued funding may be available to support the Local Groundwater Management Assistance Grants.*

Groundwater Technical Assistance to Locals

- *Funding for this program element has been reduced in past years creating a backlog for assistance. DWR is proposing a \$15 million program, dependent on passage of Proposition 50, to provide continued technical and financial assistance to local groundwater managers to facilitate the development of locally controlled and managed groundwater storage.*
- *Continued funding of approximately \$7.7 million per year is needed through the end of Stage 1.*

Groundwater Implementation Grants and Loans

- *Year 3 is the last year of Proposition 13 funding for this program. Once the final round of funding is awarded, no additional funds will be available to support construction of groundwater recharge or storage construction projects.*
- *Although available funding has not been identified for Years 4-7, approximately \$100 million per year is needed for groundwater implementation projects.*

Surface Storage Investigations

- *State and Federal funding in Years 2 and 3 were lower than requested. If Proposition 50 passes and adequate funding is available for Year 4, all the projects can move forward in the planning and environmental documentation process. Final design and construction costs are included in the projected expenditures for all the surface storage projects. However, it is recognized that not all of them may proceed to implementation.*

B. State, Federal, Local/Water User Cost Sharing

Initial planning studies will be funded on a 50/50 split between State and Federal sources. However, funding at the State and Federal level has not been consistent and the uneven yearly budgets may make the 50/50 cost share difficult to achieve.

Cost sharing for this program will be reviewed as part of the overall Finance Plan described in the Oversight & Coordination Work Plan.

Storage Workplan - CALFED Program Year 3 (\$ in thousands) December 1, 2002								
Storage	CALFED	DWR	DFG	State Subtotal	USBR	Federal Subtotal	Local/User	Total
1. GW Feasibility Study Grants	\$0	\$5,000	\$0	\$5,000	\$0	\$0	\$0	\$5,000
Fund Source								
General Fund		\$5,000		\$5,000		\$0		\$5,000
Prop 13				\$0		\$0		\$0
Bay Delta				\$0		\$0		\$0
2. GW Tech assistance to Local	\$0	\$2,743	\$0	\$2,743	\$0	\$0	\$0	\$2,743
Fund Source								
General Fund		\$2,743		\$2,743		\$0		\$2,743
Prop 13				\$0		\$0		\$0
Bay Delta				\$0		\$0		\$0
3. GW Implementation Grants and Loans	\$0	\$89,739	\$0	\$89,739	\$0	\$0	\$0	\$89,739
Fund Source								
General Fund				\$0		\$0		\$0
Prop 13		\$89,739		\$89,739		\$0		\$89,739
Bay Delta				\$0		\$0		\$0
4. SS Shasta Lake Enlargement - Planning	\$0	\$75	\$0	\$75	\$2,000	\$2,000	\$0	\$2,075
Fund Source								
General Fund		\$75		\$75		\$0		\$75
Prop 13				\$0		\$0		\$0
Bay Delta				\$0	\$2,000	\$2,000		\$2,000
5. SS Shasta Lake Enlargement - D & C	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Fund Source								
General Fund				\$0		\$0		\$0
Prop 204 Reimb (non add)				\$0		\$0		\$0
Bay Delta				\$0		\$0		\$0
6. SS North-of-the-Delta Offstream Storage - Planning	\$0	\$4,520	\$335	\$4,855	\$500	\$500	\$0	\$5,355
Fund Source								
General Fund		\$4,520	\$335	\$4,855				\$4,855
Prop 13				\$0				\$0
Bay Delta				\$0	\$500	\$500		\$500
7. SS North-of-the-Delta Offstream Storage - D & C	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Fund Source								
General Fund				\$0		\$0		\$0
Prop 13				\$0		\$0		\$0
Bay Delta				\$0		\$0		\$0
8. SS In-Delta Storage Investigations - Planning	\$0	\$2,190	\$0	\$2,190	\$250	\$250	\$0	\$2,440
Fund Source								
General Fund		\$2,190		\$2,190		\$0		\$2,190
Prop 13				\$0		\$0		\$0
Bay Delta				\$0	\$250	\$250		\$250
9. SS In-Delta Storage Investigations - D & C	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Fund Source								
General Fund				\$0		\$0		\$0
Prop 13				\$0		\$0		\$0
Prop 204 Reimb (non add)				\$0		\$0		\$0
Bay Delta				\$0		\$0		\$0

Storage	CALFED	DWR	DFG	State Subtotal	USBR	Federal Subtotal	Local/User	Total
10. SS Los Vaqueros Reservoir Expansion - Planning	\$0	\$1,490	\$0	\$1,490	\$2,000	\$2,000	\$0	\$3,490
Fund Source								
General Fund		\$1,490		\$1,490		\$0		\$1,490
Prop 13				\$0		\$0		\$0
Prop 204 Reimb (non add)				\$0		\$0		\$0
Bay Delta				\$0	\$2,000	\$2,000		\$2,000
11. SS Los Vaqueros Reservoir Expansion - D & C	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Fund Source								
General Fund				\$0		\$0		\$0
Prop 13				\$0		\$0		\$0
Bay Delta				\$0		\$0		\$0
12. SS Upper San Joaquin River Storage Investigations - Planning	\$0	\$75	\$0	\$75	\$1,750	\$1,750	\$0	\$1,825
Fund Source								
General Fund		\$75		\$75		\$0		\$75
Prop 13				\$0		\$0		\$0
Bay Delta				\$0	\$1,750	\$1,750		\$1,750
13. SS Upper San Joaquin River Storage Investigations - D & C	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Fund Source								
General Fund				\$0		\$0		\$0
Prop 13				\$0		\$0		\$0
Bay Delta				\$0		\$0		\$0
14. Oversight & Coordination / Water Management Strategy	\$894	\$50	\$0	\$944	\$0	\$0	\$0	\$944
Fund Source								
General Fund	\$894	\$50		\$944		\$0		\$944
Prop 13				\$0		\$0		\$0
Bay Delta				\$0		\$0		\$0
15. Program Summary	\$894	\$105,882	\$335	\$107,111	\$6,500	\$6,500	\$0	\$113,611
Fund Source								
General Fund	\$894	\$16,143	\$335	\$17,372	\$0	\$0	\$0	\$17,372
Prop 13	\$0	\$89,739	\$0	\$89,739	\$0	\$0	\$0	\$89,739
Bay Delta	\$0	\$0	\$0	\$0	\$6,500	\$6,500	\$0	\$6,500
Storage	CALFED	DWR	DFG	State Subtotal	USBR	Federal Subtotal	Local/User	Total
General Fund	\$894	\$16,143	\$335	\$17,372		\$0		\$17,372
Prop 13		\$89,739		\$89,739		\$0		\$89,739
Bay Delta					\$6,500	\$6,500		\$6,500
Year 3 Budget Subtotal	\$894	\$105,882	\$335	\$107,111	\$6,500	\$6,500	\$0	\$113,611
Prior Year Funds	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
YEAR 3 WORKPLAN TOTAL	\$894	\$105,882	\$335	\$107,111	\$6,500	\$6,500	\$0	\$113,611

Storage Program
Stage 1 Projected Expenditures
(\$ in millions)
December 1, 2002

	Tasks/Projects	Program Year(s)							Total	Cost Sharing (%) ¹		
		Stage 1 (Yrs 1-7)								Fed	State	Local
		1	2	3	4	5	6	7				
1	GW - Feasibility Study Grants	\$5.0	\$4.9	\$5.0	\$5.0	\$5.0	\$5.0	\$5.0	\$34.9	50%	50% ²	
2	GW - Technical Assistance to Locals	\$4.8	\$2.8	\$2.7	\$7.7	\$7.7	\$7.7	\$7.7	\$41.1	50%	50% ²	
3	GW - Implementation Grants	\$69.0	\$102.7	\$89.7	\$100.0	\$100.0	\$100.0	\$100.0	\$661.4	25%	25% ²	50%
4	SS - Shasta Lake Enlargement Planning	\$1.0	\$2.0	\$2.1	\$4.0	\$4.0	\$1.0		\$14.1	50%	50%	0%
5	SS - Shasta Lake Enlargement D & C						\$55.0	\$50.0	\$105.0	¹		
6	SS - North of Delta Offst Storage Planning	\$8.4	\$6.0	\$5.4	\$9.0	\$5.1			\$34.0	50%	50%	0%
7	SS - North of Delta Offst Storage D & C						\$50.0	\$100.0	\$150.0	¹		
8	SS - In-Delta Storage Invest Planning	\$2.6	\$2.4	\$2.4	\$5.9	\$0.9			\$14.2	50%	50%	0%
9	SS - In-Delta Storage Invest D & C						\$132.6	\$284.8	\$417.4	¹		
10	SS - Los Vaqueros Expansion Planning	\$0.8	\$6.0	\$3.5	\$13.5	\$8.5			\$32.3	50%	50%	0%
11	SS - Los Vaqueros Expansion D & C						\$90.0	\$227.0	\$317.0	¹		
12	SS - Upper San Joaquin River Stor Planning	\$0.9	\$2.5	\$1.8	\$9.9	\$4.0	\$2.0	\$ 0.5	\$21.6	50%	50%	0%
13	SS - Upper San Joaquin River Stor D & C							\$75.0	\$75.0	¹		
14	Oversight & Coord / Water Manage Strategy	\$1.7	\$0.9	\$0.9	\$2.0	\$2.0	\$1.1	\$1.1	\$9.8	50%	50%	0%
	Total	\$94.2	\$130.2	\$113.6	\$157.0	\$137.2	\$444.4	\$851.1	\$1,927.7	36%	34%	30%

¹ Storage cost-sharing will depend on allocation of costs and identification of beneficiaries for individual projects. Funding in initial years will primarily be from federal and State dollars, with reimbursements from beneficiaries coming in later years to be determined after final designs are complete and beneficiaries are identified. Cost sharing for the Storage program will be reviewed as part of the overall Finance Plan.

² DWR has worked with local agencies to cost share project proposals to the extent possible. In order for a project proposal to be awarded grant and loan funding, it is necessary that the implementing local agency pay a portion of the costs. For grants awarded to date, the local cost share has been greater than 50%. Cost sharing for this program will be reviewed as part of the overall Finance Plan.

Attachment 3 --- Storage Program Environmental Justice Workplan Activities

Environmental Justice Workplan Tasks	Program Element Response
EJ Subcommittee and CALFED Programs draft goals, objectives, strategies, and performance measures for integration of environmental justice into CALFED program element workplans with technical assistance from EJ reps on each Subcommittee, EJ Coordinator, and/or EJ Subcommittee.	Staff has been designated to participate in EJ Subcommittee meetings for DWR's CALFED programs within DPLA. This staff will coordinate with program managers in developing goals, objectives, strategies and performance measures for integration of EJ into CALFED program element workplans.
Integrate EJ annual plan goals and objectives into program element workplans during program subcommittee meetings	Staff has been designated to ensure that EJ goals and objectives have been incorporated into the workplans of the five storage programs.
Ensure at least one EJ representative on each BDPAC Subcommittee	The storage program will pursue having at least one EJ representative on the BDPAC Water Supply subcommittee.
Develop specific criteria, guidelines, community partnership requirements, and outreach process for program PSP's that address existing and emerging environmental justice issues faced by low-income populations and communities of color in CALFED's solution area. Identify within scope of work and budget activities to address environmental justice objectives of the project.	DWR staff assigned to EJ Subcommittee will assist in identifying and developing these items.
Develop program to address the basic water infrastructure needs of low-income populations and communities of color in CALFED's solution area	Designated EJ staff will assist as necessary and appropriate. Needs will address supply reliability and water quality.